

## **ABSTRACT**

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A combine thresher has a multiple plate impedance cell grain moisture analyzer assembly with two of the plates being outside mounted ground plates to reduce EMI and RFI interference and provide more accurate moisture measurements. The assembly is ex-situ mounted to bypass a part of the grain flowing from the grain floor of the harvester to the grain accumulation bin to measure the moisture thereof and to exhaust same back into the mentioned grain flow. The analyzer has a bin full sensor to activate the bypass only when the analyzer is full for accurate moisture measurement.

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